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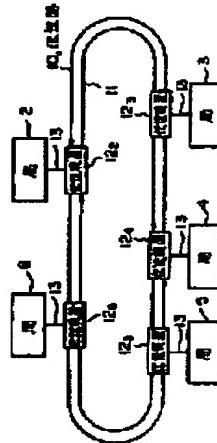
(54) MULTIPLEX TRANSMISSION NETWORK
COMMUNICATION SYSTEM

(57) Abstract:

PURPOSE: To unnecessary a special monitor station by using two transmission lines to secure the double loop type connection among plural stations and transmitting the same signals to both transmission line, at one time and in the directions opposite to each other.

CONSTITUTION: A communication system consists of the stations 2-6, the transmission lines 10 and 11, and the transmission devices 12₂-12₈. Then the double loop type connection is secured among stations 2-6 via both lines 10 and 11, and the same signals are transmitted to these lines 10 and 11 at one time and in the directions opposite to each other. As a result, the transmission of signals is attained with no trouble even when the lines 10 and 11 are disconnected or the devices 12₂-12₈ have troubles. Then no special monitor station is required.

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